



Thursday, May 7, 2015

10:00 AM **Registration, Continental Breakfast, Poster Setup, and Sponsor Booth Setup**

11:00 **Welcome:** Yoichi Osawa, Ph.D., University of Michigan (Pendelton)

11:10 *Keynote Speaker*
P450s and Drug Metabolism: Yesterday, Today, and Forever, Paul Hollenberg, Ph.D., Professor, Department of Pharmacology, University of Michigan.

11:50 **Oxidations of Endogenous Substrates by Human P450s: Lessons for Mechanisms of Metabolism of Drug**, F. Peter Guengerich, Ph.D., Tadashi Inagami Professor of Biochemistry, Department of Biochemistry, Vanderbilt University

12:30 PM **Lunch** (Ballroom)
Students and Postdocs Network with Industry Scientists (Parker)
Poster Viewing, and Sponsor Booths

2:00 **Moderator:** Steve Wrighton, Ph.D., Independent Consultant

Vitamin D as a Source of Inter-Individual Variability in the Regulation and Expression of Intestinal CYP3A4, Kenneth Thummel, Ph.D., Professor and Chair, Department of Pharmaceutics, University of Washington

2:40 **Half-life Extension Strategies for Biotherapeutics in Drug Discovery**, Larry Wienkers, Ph.D., Executive Director, PKDM, Amgen

3:20 **Break**

3:40 **Moderator:** Richard Voorman, Ph.D., Covance

Development, Characterization and Application of a Humanized PEPT1 Mouse Model for Studying Peptide/Mimetic Absorption and Pharmacokinetics, David E. Smith, Ph.D., John G. Wagner Collegiate Professor, Department of Pharmaceutical Sciences, University of Michigan

4:20 **Aldehyde Oxidase and Donor Variability: Is Estimating Human Clearance Possible?**, Matthew Hutzler, Ph.D., Director, In Vitro Metabolism, Quintiles

5:00 **Poster Session (Author Available), Sponsor Booths, and Mixer**

7:00 **Dinner** (University of Michigan | Museum of Art)

Information about the program schedule, registration, lodging, poster submissions and meeting sponsorships is posted at <http://www.greatlakesdmdg.org>.

Questions? Send an email to greatlakesdmdg@gmail.com or call (734) 647-3123



Friday, May 8, 2015

7:30 AM **GLDMDG Business Meeting** (Crofoot – 1st floor)

Continental Breakfast, Poster Viewing and Visit Sponsor Booths

8:45 **Moderator:** Anthony Lee, Ph.D., AbbVie

Quantitative Systems Pharmacology in PKPD and Beyond, Saroja Ramanujan Ph.D., Sr. Scientist, Group Lead, Translational & Systems Pharmacology, Genentech

9:25 ***In Vitro* DMPK Screening to Accelerate Drug Discovery**, Kelly Desino, Ph.D., Group Leader, Drug Metabolism & Pharmacokinetics, AbbVie

10:05 **Break**

10:25 **Moderator:** Stephen Hall, Ph.D., Lilly Research Labs

Application of the Humanized Mouse Liver Model: A Preclinical Model of Human Drug Disposition and Toxicity? Yingying Guo, Senior Research Scientist, Drug Disposition, Lilly Research Labs, Indianapolis

11:05 **Molecular Dynamics of Human CYP2D6 Provides Insights Into Structure, Function, and Susceptibility to Inactivation of Polymorphic Variants of CYP2D6.** Kyle F. Sunden, Student, Department of Chemistry, Kalamazoo College

11:20 **Influence of Carboxylesterase 1 Genetic Polymorphisms on the Metabolism of Oseltamivir and Methylphenidate.** Jian Shi, Postdoc, Department of Clinical, Social, and Administrative Sciences, College of Pharmacy, University of Michigan

11:35 **Closing Remarks:** Paul Hollenberg, Ph.D., University of Michigan

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Campus Map

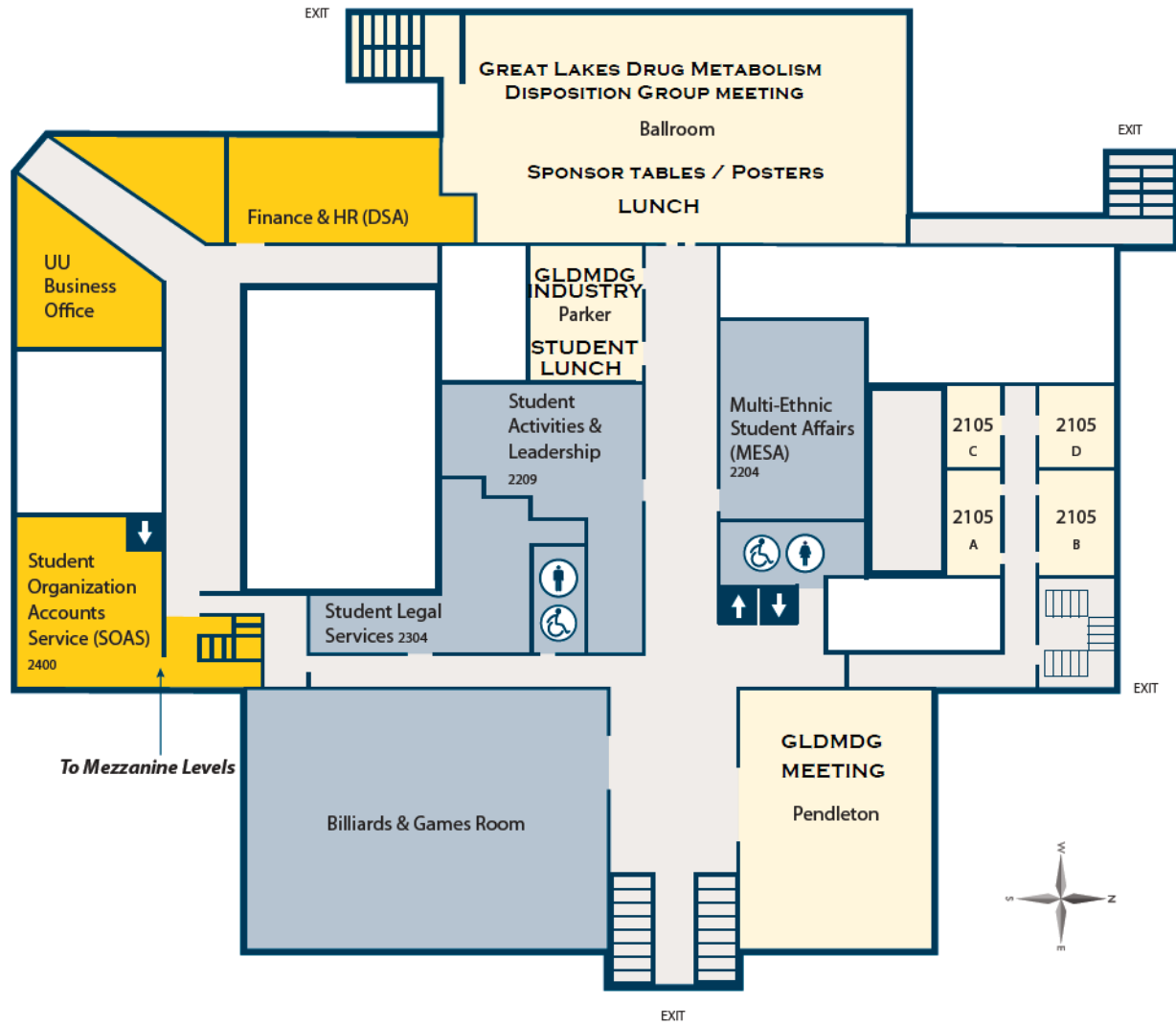


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Michigan Union Floor Plan



Second Floor

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